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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on February 15, 2000 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EL243911764US, addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

Dionna Holmes

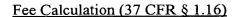
Attorney Docket No.: SUN1P376/P4382

First Named Inventor: Jordan Brown



UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))

| Assistan | nt Commissioner for Patents | Duplicate for |
|------------------|--|---------------------------------|
| Box Pat | ent Application | fee processing |
| Washing | gton, DC 20231 | |
| Sir: | This is a request for filing a patent application under 37 CFR. § 1 | .53(b) in the name of inventors |
| | Jordan Brown and Lisa M. Camesar | 10 |
| - | METHODS AND APPARATUS FOR MANAGING DEBUGGING I/O | |
| اليا Applica: | tion Elements: | |
| <u>xippiiou</u> | | |
| Ū [| 22 Pages of Specification, Claims and Abstract | |
| | 8 Sheets of informal Drawings | |
| | 22 Pages of Specification, Claims and Abstract 8 Sheets of informal Drawings ** Pages Combined Declaration and Power of Attorney | |
| | panying Application Parts: | |
| [| Assignment and Assignment Recordation Cover Sheet (reco | rding fee of \$40.00 enclosed) |
| ŀ | 37 CFR 3.73(b) Statement by Assignee | |
| [| Information Disclosure Statement with Form PTO-1449 | |
| _ | Copies of IDS Citations | |
| | Preliminary Amendment | |
| | Return Receipt Postcard | |
| | Small Entity Statement(s) | |
| | Other: | |



| | (Col. 1) | (Col. 2) | SMALL ENTITY | OR | LARGE ENTITY |
|---------------------------------------|-------------------|-----------|--------------|----|-----------------------|
| | NO. FILED | NO. EXTRA | RATE FEE | | RATE FEE |
| BASIC FEE | | | \$345 \$ | OR | \$690 \$690 |
| TOTAL CLAIMS | <u>22</u> -20 = _ | 2 | x 9 = \$ | OR | $2 \times 18 = 36 |
| INDEP CLAIMS | 503 = _ | 2 | x 39 = \$ | OR | $2 \times 78 = \$156$ |
| [] Multiple Dependent Claim Presented | | | \$130 = \$ | OR | \$260 = \$ |
| * If the difference in Col. 1 is less | | | Total \$ | OR | Total \$882 |
| than zero, enter "0" i | n Col. 2. | | | | |

Please defer filing fees at this time.

| Check No in the amount of \$ is enclosed. |
|--|
| The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 50-0388 (Order No). |
| |
| |
| General Authorization for Petition for Extension of Time (37 CFR §1.136) |
| Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be |

Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under __ 37 CFR §1.17 as may be needed to Deposit Account No. 50-0388 (Order No. SUN1P376).

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PATENT TRADEMARK OFFICE

Date: 2/15/2000

Elise R. Heilbrunn Registration No. 42,649